

ABSTRACT

Device for remote monitoring of OHTL conductor status (options)

The invention refers to remote monitoring of power objects and is designed for collecting data on OHTL conductor status and passing such to data collection point (dispatch point for example).

The invention's objective is to exclude necessity to produce and maintain specialized technological applications for measuring conductor's attitude parameters and/or communication with measurements collection point, and thus improve reliability of the device operation as an autonomous element of system of monitoring of OHTL conductor status.

The device contains a housing, equipped with a mean for attachment to OHTL conductor, and located therein power supply and measuring-transmitting module. Invention options provide for introduction into the measuring-transmitting module of interface with utility cellular telephony channel and/or Global Positioning System signals receiver identifying its three-dimensional coordinates.

Measuring-transmitting module can be executed as control unit, unit of receipt and conversion of conductor status signal, unit of primary processing of obtained information, collection and storage of data, unit of communication and data transmission. In this case interface with utility cellular telephony channel and Global Positioning System signals receiver are included in unit of communication and data transmission and in unit of receipt and conversion of conductor status signal, accordingly. 2 n.p., 11z.p. 2 fig.